

Appl. No. 10/083,720  
Arndt. dated 04/19/2004

This listing of claims will replace all prior versions, and listings, of claims in our amendments or responses to Office actions.

**In the Claims:**

Claims 1-20 (previously cancelled)

Claims 21-40 (cancelled)

Claim 41 (new) An isolated antibody or binding fragment thereof which specifically binds to a polypeptide consisting of SEQ ID NO: 2 or an amino acid fragment thereof, wherein the amino acid fragment is at least 8 amino acids in length.

Claim 42 (new) The antibody or binding fragment thereof of Claim 41, wherein the binding fragment is an Fab fragment.

Claim 43 (new) The antibody or binding fragment thereof of Claim 41, wherein the binding fragment is an Fab' fragment.

Claim 44 (new) The antibody or binding fragment thereof of Claim 41, wherein the binding fragment is an F(ab)<sub>2</sub> fragment.

Claim 45 (new) The antibody or binding fragment thereof of Claim 41, wherein the binding fragment is an Fv fragment.

Claim 46 (new) The antibody or binding fragment thereof of Claim 41, wherein the binding fragment is a single chain antibody.

Claim 47 (new) The antibody of Claim 41, wherein the antibody is a polyclonal antibody.

Claim 48 (new) The antibody of Claim 41, wherein the antibody is a monoclonal antibody.

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Claim 49 (new) The antibody of Claim 41, wherein the antibody is a humanized antibody.

Claim 50 (new) The antibody of Claim 41, wherein the antibody is a chimeric antibody.

Claim 51 (new) The antibody or binding fragment of Claim 41 which is detectably labeled.

Claim 52 (new) The antibody of Claim 41, wherein the amino acid fragment is at least 12 amino acids in length.

Claim 53 (new) The antibody of Claim 41, wherein the amino acid fragment is at least 16 amino acids in length.

Claim 54 (new) The antibody of Claim 41, wherein the amino acid fragment is at least 20 amino acids in length.

Claim 55 (new) The antibody of Claim 41, wherein the amino acid fragment consists of residues 16-39 of SEQ ID NO: 2.

Claim 56 (new) The antibody of Claim 41, wherein the amino acid fragment consists of residues 125-150 of SEQ ID NO: 2.

Claim 57 (new) The antibody of Claim 41, wherein the amino acid fragment consists of residues 22-171 of SEQ ID NO: 2.